

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A magneto-generator comprising:
 - a flywheel having a cylindrical portion and rotating about a rotation axis;
 - a plurality of magnets disposed on an inner circumferential surface of the cylindrical portion of the flywheel and rotating together with the flywheel;
 - a stator core having a laminated core formed by laminating a plurality of magnetic thin plate, the laminated core having an annular portion and a plurality of teeth projecting from the annular portion outward and opposed to the plurality of magnets; and
 - a plurality of generation coils, each of generation coils wound on the respective teeth of the laminated core, wherein:
 - the stator core has two end plates that are made of a metal material and disposed on both sides of the laminated core in such a manner that the laminated core is sandwiched in between;
 - each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof;
 - each of the two end plates has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth, at least the first

portion of each of the two end plates is smaller in circumferential width than the first portion of each of the teeth,

the second portion of at least one of the two end plates has a projection portion that projects only from the second portion of a respective tooth, and

at least the second portion of at least one of the two end plates is made of a non-magnetic metal material.

2. (original): The magneto-generator according to claim 1, wherein the second portion of each of the two end plates has a projection that projects parallel with the rotation axis.

3. (original): The magneto-generator according to claim 1, wherein at least the second portions of both end plates are made of the non-magnetic metal material.

4. (original): The magneto-generator according to claim 2, wherein at least the second portions of both end plates are made of the non-magnetic metal material.

5. (original): The magneto-generator according to claim 1, wherein the non-magnetic metal material is stainless steel.

6. (original): The magneto-generator according to claim 2, wherein the non-magnetic metal material is stainless steel.

7. (original): The magneto-generator according to claim 3, wherein the non-magnetic metal material is stainless steel.

8. (original): The magneto-generator according to claim 1, wherein the first and second portions of both end plates are made of the non-magnetic metal material.

9. (original): The magneto-generator according to claim 8, wherein the non-magnetic metal material is stainless steel.

10. (original): The magneto-generator according to claim 8, wherein the one of the two end plates is thinner than the other.

11. (original): The magneto-generator according to claim 10, wherein the one end plate is made of stainless steel and the other end plate is made of aluminum.

12. (original): The magneto-generator according to claim 1, wherein an outer surface of each of the teeth of the laminated core and the two end plates are coated with an insulating film and each of the generation coils is wound on the insulating film.

13. (canceled).

14. (currently amended): The magneto-generator according to claim 1, wherein the first portion, the second portion, and the projection portion of the at least one of the two end plates are integrally formed.

15. (previously presented): The magneto-generator according to claim 1, wherein at least the second portion of each of the two end plates is smaller in circumferential width than the second portion of each of the teeth.

16. (previously presented): A magneto-generator comprising:
a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of the cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plates, and two end plates disposed on both ends of the laminated core in such manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of the generation coils wound on the respective teeth of the stator,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

each of the two end plates is made of a non-magnetic metal material and has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth, and

the second portion of at least one of the two end plates has a projection portion that projects only from the second portion of a respective tooth in a direction along the rotating axis.

17. (currently amended): A magneto-generator comprising:

a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of ~~the~~ a-cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plates, and two end plates disposed on both ends of the laminated core in such manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of the generation coils wound on the respective teeth of the stator,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

each of the two end plates is made of a non-magnetic metal material and has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth,

the second portion of at least one of the two end plates has a projecting portion that projects only from the second portion of a respective tooth, and

edges of at least the first portion of each of the two end plates that are distant from the laminated core are chamfered.

18. (previously presented): The magneto-generator according to claim 16, wherein the non-magnetic metal material is stainless steel.

19. (previously presented): The magneto-generator according to claim 17, wherein the non-magnetic metal material is stainless steel.

20. (canceled).

21. (previously presented): A magneto-generator comprising:

a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of the cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plates, and two end plates disposed on both ends of the laminated core in such a manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of the generation coils wound on the respective teeth of the stator core,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

each of the two end plates has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth,

the second portion of at least one of the two end plates has a projection portion that projects only from the second portion of a respective tooth,

a circumferential width of each of the first portion of each of the two end plates is smaller than the circumferential width of each of the first portions of each of the teeth,

a circumferential width of each of the second portion of each of the two end plates is smaller than the circumferential width of each of the second portions of each of the teeth, and

at least the second portion of at least one of the two end plates is made of a non-magnetic metal material.

22. (previously presented): A magneto-generator comprising:

a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of the cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plates, and two end plates disposed on both ends of the laminated core in such a manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of the generation coils wound on the respective teeth of the stator core,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

each of the two end plates has a first portion that is laid on the first portion of each of the teeth and a projection portion projecting in a direction along the rotating axis from an outer end of the first portion thereof,

a circumferential width of each of the projection portions of each of the two end plates is larger than the circumferential width of each of the first portions of each of the teeth, and

each of the projection portions of the two end plates is made of a non-magnetic metal material.

23. (previously presented): The magneto-generator according to claim 21, wherein edges of each of the two end plates that are distant from the laminated core are chamfered.

24. (previously presented): The magneto-generator according to claim 22, wherein edges of each of the two end plates that are distant from the laminated core are chamfered.